

Appl. No. : 09/786,847  
Filed : March 9, 2001

### AMENDMENTS TO THE CLAIMS

1. (Canceled)
2. (Currently amended) The retroreflective article of claim 1 wherein the uncommon edges among the sides of the three triangles lie in a common plane or different planes.
3. (Currently amended) The retroreflective article of claim 1 having an index of refraction of about 1.4 - 1.7.
4. (Currently amended) ~~The retroreflective article of claim 1~~ A retroreflective article comprising a flat front surface and a structured rear surface, the structured rear surface comprising:  
a continuous arrangement of three triangles, wherein the three triangles are mutually perpendicular and comprise one common point, three common edges, and three uncommon edges, wherein each common edge is shared by two triangles, and wherein each uncommon edge belongs to only one triangle; and  
a continuous arrangement of trigonal linear prisms, wherein each trigonal linear prism is disposed along one of the uncommon edges, each trigonal linear prism having a first surface and a second surface which define an apex edge, a first base edge, and a second base edge, wherein the first surface and the second surface of each trigonal linear prism are tilted relative to the flat front surface of the retroreflective article, wherein a polyhedron optical axis extending from the common point to the front surface of the retroreflective article is tilted by -15° to 15° to an axis normal to the front surface of the retroreflective article, wherein angles between the polyhedron optical axis and a surface of each of the three triangles are the same.
5. (Currently amended) The retroreflective article of claim 1 wherein a plurality of the trigonal linear prisms are disposed along one uncommon edge.
6. (Currently amended) The retroreflective article of claim 1 wherein the uncommon edges along the sides of the three triangles differ in length from each other.
7. (Previously presented) The retroreflective article of claim 2 having an index of refraction of about 1.4 - 1.7.
8. (Currently amended) ~~The retroreflective article of claim 2~~ A retroreflective article comprising a flat front surface and a structured rear surface, the structured rear surface comprising:

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a continuous arrangement of three triangles, wherein the three triangles are mutually perpendicular and comprise one common point, three common edges, and three uncommon edges, wherein each common edge is shared by two triangles, and wherein each uncommon edge belongs to only one triangle; and

a continuous arrangement of trigonal linear prisms, wherein each trigonal linear prism is disposed along one of the uncommon edges, each trigonal linear prism having a first surface and a second surface which define an apex edge, a first base edge, and a second base edge, wherein the first surface and the second surface of each trigonal linear prism are tilted relative to the flat front surface of the retroreflective article, wherein the uncommon edges among the sides of the three triangles lie in a common plane or different planes, and wherein a polyhedron optical axis extending from the common point to the front surface of the retroreflective article is tilted by -15° to 15° to an axis normal to the front surface of the retroreflective article, wherein angles between the polyhedron optical axis and a surface of each of the three triangles are the same.

9. (Previously presented) The retroreflective article of claim 2 wherein a plurality of the trigonal linear prisms are disposed along one uncommon edge.

10. (Previously presented) The retroreflective article of claim 2 wherein the uncommon edges along the sides of the three triangles differ in length from each other.

11. (Currently amended) The retroreflective article of claim 4, wherein the continuous array of linear trigonal prisms comprises two trigonal linear prisms sharing a common base edge.

12. (Currently amended) The retroreflective article of claim 4, wherein a trigonal prism optical axis extending from the apex edge to the front surface of the retroreflective article is tilted relative to an axis normal to the front surface of the retroreflective article, wherein an angle between the trigonal prism optical axis and the first surface and an angle between the trigonal linear prism optical axis and the second surface are the same.

13. (Currently amended) The retroreflective article of claim 4, wherein an angle between a trigonal linear prism optical axis and an axis normal to the front surface of the retroreflective article is different from an angle between a polyhedron optical axis and an axis normal to the front surface of the retroreflective article, wherein the trigonal linear prism optical axis extends from the apex edge to the front surface of the retroreflective article, wherein an angle between the trigonal linear prism optical axis and the first surface and an angle between the

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trigonal linear prism optical axis and the second surface are the same, wherein the polyhedron optical axis extends from the common point to the front surface of the retroreflective article, and wherein angles between the polyhedron optical axis and a surface of each of the three triangles are the same.

14. (New) The retroreflective article of claim 8 having an index of refraction of about 1.4 - 1.7.

15. (New) The retroreflective article of claim 8 wherein a polyhedron optical axis extending from the common point to the front surface of the retroreflective article is tilted by -  $15^{\circ}$  to  $15^{\circ}$  to an axis normal to the front surface of the retroreflective article, wherein angles between the polyhedron optical axis and a surface of each of the three triangles are the same.

16. (New) The retroreflective article of claim 8 wherein a plurality of the trigonal linear prisms are disposed along one uncommon edge.

17. (New) The retroreflective article of claim 8 wherein the uncommon edges along the sides of the three triangles differ in length from each other.

18. (New) The retroreflective article of claim 8 having an index of refraction of about 1.4 - 1.7.

19. (New) The retroreflective article of claim 8 wherein a plurality of the trigonal linear prisms are disposed along one uncommon edge.

20. (New) The retroreflective article of claim 8 wherein the uncommon edges along the sides of the three triangles differ in length from each other.

21. (New) The retroreflective article of claim 8, wherein the continuous array of linear trigonal prisms comprises two trigonal linear prisms sharing a common base edge.

22. (New) The retroreflective article of claim 8, wherein a trigonal prism optical axis extending from the apex edge to the front surface of the retroreflective article is tilted relative to an axis normal to the front surface of the retroreflective article, wherein an angle between the trigonal prism optical axis and the first surface and an angle between the trigonal linear prism optical axis and the second surface are the same.

23. (New) The retroreflective article of claim 8, wherein an angle between a trigonal linear prism optical axis and an axis normal to the front surface of the retroreflective article is different from an angle between a polyhedron optical axis and an axis normal to the front surface of the retroreflective article, wherein the trigonal linear prism optical axis extends from the apex

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edge to the front surface of the retroreflective article, wherein an angle between the trigonal linear prism optical axis and the first surface and an angle between the trigonal linear prism optical axis and the second surface are the same, wherein the polyhedron optical axis extends from the common point to the front surface of the retroreflective article, and wherein angles between the polyhedron optical axis and a surface of each of the three triangles are the same.